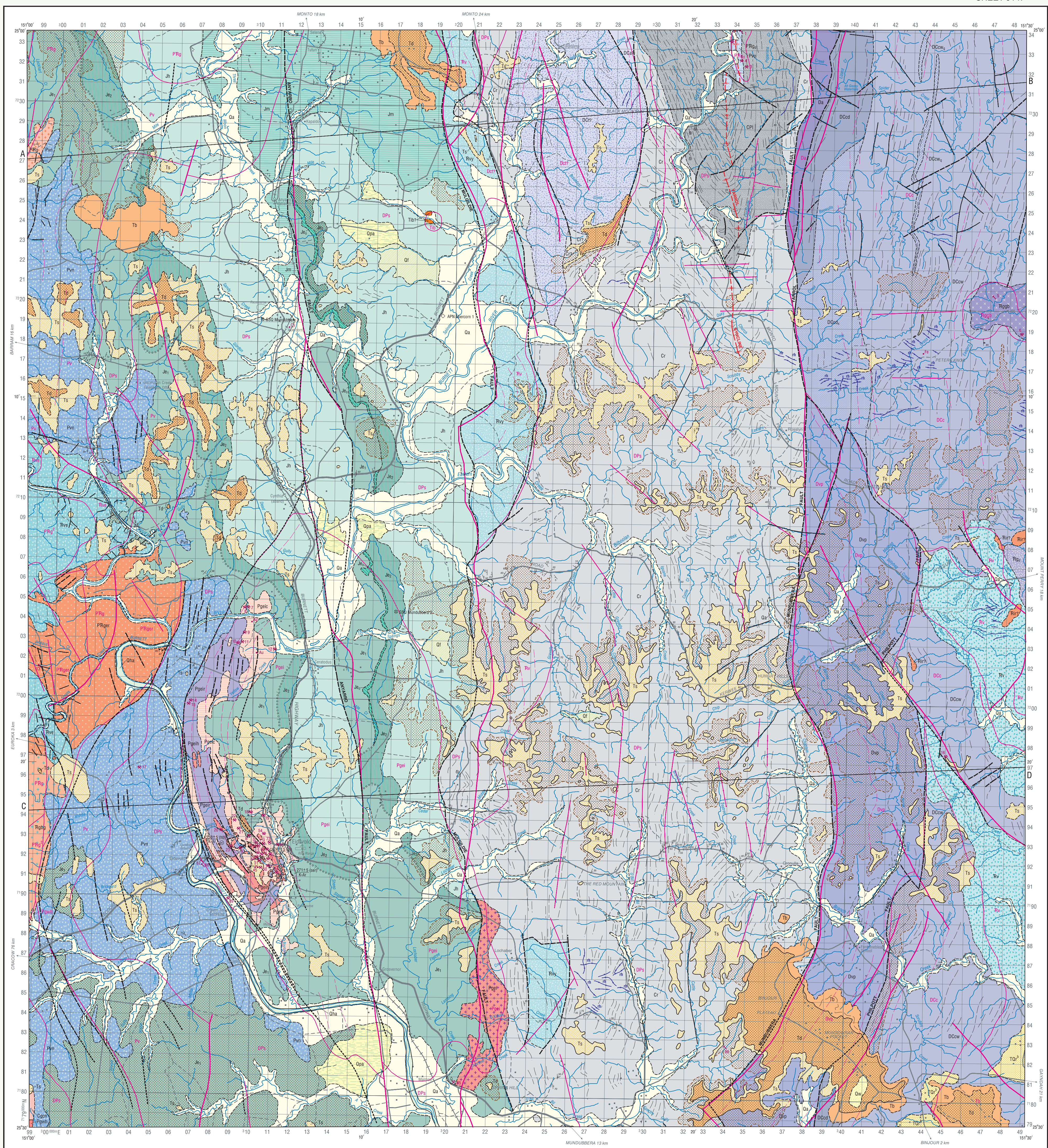


EIDSVDOLD
QUEENSLAND

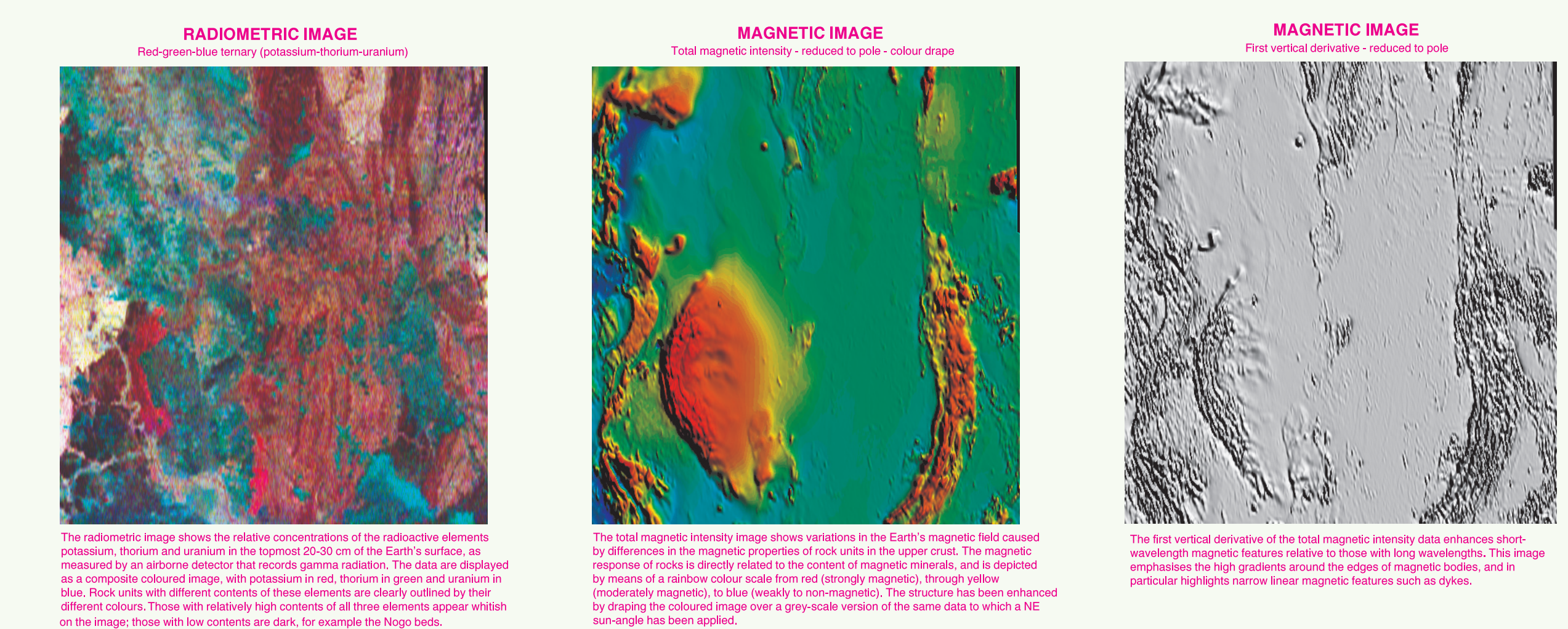
AUSTRALIA 1:100 000 GEOLOGICAL SERIES

SHEET 9147



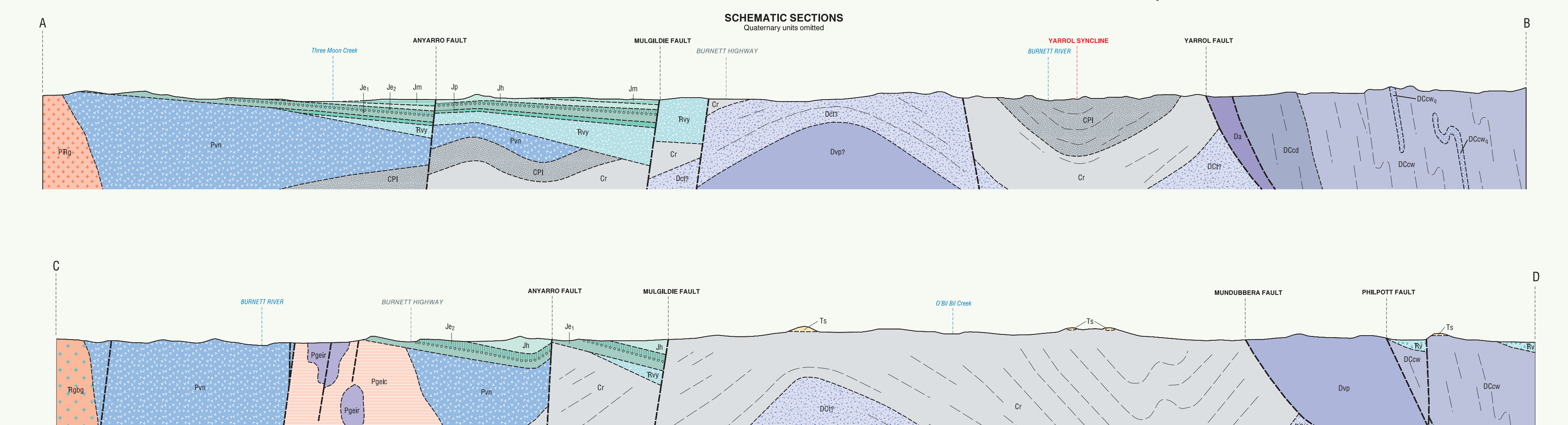
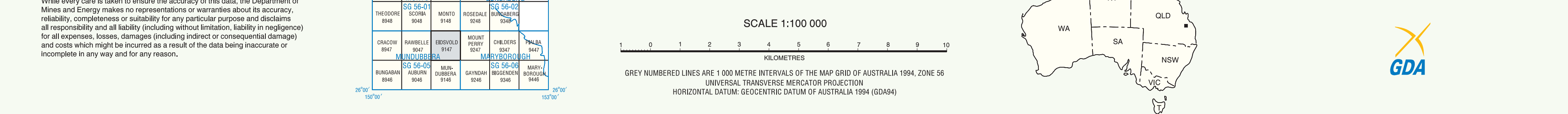
- QUATERNARY**
 - Qa Sand, gravel, silt and clay, active stream channels and low terraces
 - Qb Clay, silt, sand, gravel, flood plain alluvium
 - Qc Clay, silt, swamp deposits
 - Qd Mucky sand, sandy and muddy gravel, alluvial fans, sheetwash and floodout sheets
 - Qe Clay, silt, sand, gravel, flood plain alluvium on high terraces
- LATE TERTIARY - QUATERNARY**
 - Tp¹ Black soil (basalt-derived)
- TERTIARY**
 - Tp Deep weathering profile: mottled, leached and kaolinitised rock
 - Td Ducturated palaeosol at the top of deep weathering profile, including ferruginous and siliceous: duricrustal old land surfaces
 - Ts Clayey siltstone to quartzose sandstone, sandy claystones, laminated siltstone, and minor conglomerate
 - Tm Mostly olive basalt, moderate magnetic domain
 - Tb Olivine basalt plug high magnetic domain
- JURASSIC**
 - Jm Carbonaceous mudstone, liable to quartzose sandstone, minor coal
 - Jp Pale brown to pale grey, poorly sorted, medium-grained, feldspathic subalite sandstone (or fine and fine-grained, well-sorted quartzose sandstone (at top); minor dark grey carbonaceous siltstone, mudstone and rare pebble conglomerate
 - Jh Mudstone, siltstone and fine-grained subalite sandstone; calcic chamoisite ironstone at the base
 - Jk Fine lithic sandstone, siltstone, mudstone, yellowish brown to brown, calcic or pelletal ironstone
 - Jl Pale grey to greenish grey, flaggy, fine to medium-grained, micaceous, liable to subalite sandstone; pale green or black mudstone, carbonaceous mudstone, minor white siltstone and coal
 - Jn White to brown, poorly sorted, cross-bedded, cross-bedded, fine to very coarse-grained, pebbly quartzose sandstone; minor white to yellowish brown, laminated siltstone (in upper part); carbonaceous shale, thin subalite sandstone, granite conglomerate (Section only)
- TRIASSIC**
 - Tp² Basalt
 - Ti Felsic intrusive
 - Tg¹ Pale brown, coarse-grained to aplitic, equigranular, arfvedsonite-bearing leucocratic granophyre
 - Tg² Basalt-hornblende quartz diorite, biotite pyroxene quartz diorite; high to very high magnetic domain
 - Tg³ Polymictic, volcanoclastic, pebble to cobble conglomerate, volcanoclastic sandstone; rhyolite to andesitic, lithic and crystal tuff; quartz-lithic sandstone and siltstone; rare carbonaceous siltstone; low to moderate magnetic domain
 - Tg⁴ Basaltic conglomerate, lithic sandstone, rhyolite and andesitic volcanics, siltstone, shale
 - Tg⁵ Pink to orange, crystalline, moderately lithic-rhyolitic tuff, crystal-rich, feldspar-rich, mostly rhyolite, granulate, flow-banded porphyritic rhyolite and breccia; low magnetic domain
- LATE PERMIAN - EARLY TRIASSIC**
 - Pg¹ Hornblende diorite, biotite-hornblende quartz diorite, monzonite and monzonite; high to very high magnetic domain
 - Pg² Granite, granodiorite, diorite; moderate to high magnetic domain
 - Pg³ Granite, granodiorite; low magnetic domain
 - Pg⁴ Fine to medium-grained, equigranular to locally porphyritic, hornblende-biotite granite; moderate to high magnetic domain
- Euroka Granite**
 - Gr Fine to medium-grained, equigranular to locally porphyritic, hornblende-biotite granite; moderate to high magnetic domain
- LATE PERMIAN**
 - Pg¹ Leucocratic biotite granite, hornblende-biotite granodiorite, hornblende quartz gabbro; high to very high magnetic domain
 - Pg² Fine to medium-grained, equigranular leucocratic biotite granite
 - Pg³ Coarse-grained hornblende granodiorite, locally intermingled with diorite (zones of magma mixing)
 - Pg⁴ Medium to dark grey, fine-grained diorite and coarse gabbro; coarse-grained hornblende granodiorite, locally intermingled with the diorite (zones of magma mixing)
- EARLY PERMIAN**
 - Pp¹ Grey, equigranular, fine to medium-grained, saccharoidal biotite granite to granodiorite with common microcline xenoliths and hornblende aggregate; moderate magnetic domain
 - Pp² Undivided volcanic rocks, moderate magnetic domain
 - Pp³ Basaltic to andesitic volcanic sandstone and oligoclite conglomerate or breccia, andesite lava and subordinate flow-banded rhyolite and dacite to rhyolite granodiorite, locally altered siltstone, carbonaceous mudstone and minor sandstone
 - Pp⁴ Andesitic lava, lithic sandstone, siltstone
- DEVONIAN - EARLY PERMIAN**
 - Dp¹ Undivided sedimentary rocks, low magnetic domain
- LATE CARBONIFEROUS - EARLY PERMIAN**
 - Cp¹ Biotite-rich mudstone, fossiliferous siltstone, sandstone, granite-rich, quartz-bearing, polymictic conglomerate, and subordinate chert-rich limestone
 - Cp² Equigranular, fine-grained biotite granodiorite or granite, irregularly foliated fine to medium-grained biotite gneiss and grey hornblende-biotite granodiorite; common pegmatite and apatite dykes
- EARLY CARBONIFEROUS**
 - Ce¹ Chert grey mudstone, siltstone, lithic volcanoclastic sandstone, polymictic conglomerate, rock-bearing sandstone and conglomerate with mudstone rip-up clasts; coals and plastic limestone and minor altered limestone; rare rhyolite granodiorite; low magnetic domain
- LATE DEVONIAN - CARBONIFEROUS**
 - Dc¹ Undivided sedimentary rocks, low magnetic domain
 - Dc² Mudstone, lithic sandstone (locally containing algalite coals), siltstone, Jasper, chert, shale, basal siltstone
 - Dc³ Chert or quartzite, resistant, ridge-forming units
 - Dc⁴ Chert, Jasper, mudstone, siltstone, lithic sandstone, limestone and altered basalt
 - Dc⁵ Mudstone, siltstone, lithic sandstone, limestone and altered basalt
 - Dc⁶ Green-grey to purple, granule to cobble, andesitic to basaltic polymictic conglomerate, lithoclastic to lithoclastic sandstone, siltstone, mudstone, andesite, minor felsic tuff, fossiliferous limestone, rare basaltic pillow lava and hyaloclastic; low to moderate magnetic domain
 - Dc⁷ Thinly interbedded fine-grained sandstone and siltstone and their beds of conglomerate with andesite to dacite clasts and siltstone rip-up clasts
- LATE DEVONIAN**
 - Dd¹ Lithic sandstone, siltstone, conglomerate; high magnetic domain
- EARLY DEVONIAN - MIDDLE DEVONIAN**
 - Dv¹ Andesitic and basaltic volcanoclastic rocks and possibly lava, lithic arenite, mudstone and limestone; undivided rocks of the Philpott Supergroup; high magnetic domain

- GEOLOGICAL SYMBOLS**
 - Geological boundary
 - Weathering boundary
 - Fault
 - Dike or vein; rhyolite
 - Strike and dip of strata
 - Strike and dip of overturned strata
 - Strike and dip of strata facing unknown
 - Strike and dip of foliation
 - Strike and dip of foliation first deformation episode
 - Strike and dip of cleavage
 - Strike and dip of platy alignment
 - Trend line
 - Lineament
 - Alpho interpretation
 - Microfossil locality
 - Plant fossil locality
 - Dial hole with reference number
 - Petroleum exploration well, dry, abandoned
 - Isotopic age in million of years
 - K-Ar, potassium-argon method
 - Ar-Ar, argon-argon method
 - Dacite ironstone marker bed
- TOPOGRAPHICAL AND CULTURAL FEATURES**
 - Highway
 - Secondary road
 - Minor road
 - Vehicle track
 - Railway, station
 - Homestead
 - Building, small settlement
- MINING SYMBOLS**
 - Mine
 - Mine, abandoned
 - Abandoned workings, abandoned
 - Prospect
 - Mineral occurrence
 - Au - gold, Ag - silver, Cu - copper, Fe - iron, Pb - lead, Zn - zinc, Ni - nickel, Co - cobalt, U - uranium, Th - thorium, Pa - protactinium, Rn - radon, He - helium, Ne - neon, Ar - argon, Kr - krypton, Xe - xenon, Y - yttrium, Zr - zirconium, Nb - niobium, Mo - molybdenum, Tc - technetium, Ru - ruthenium, Rh - rhodium, Pd - palladium, Ag - silver, Cd - cadmium, In - indium, Sn - tin, Sb - antimony, Te - tellurium, I - iodine, Ba - barium, La - lanthanum, Ce - cerium, Pr - praseodymium, Nd - neodymium, Pm - promethium, Sm - samarium, Eu - europium, Gd - gadolinium, Tb - terbium, Dy - dysprosium, Ho - holmium, Er - erbium, Tm - thulium, Yb - ytterbium, Lu - lutetium, Hf - hafnium, Ta - tantalum, W - tungsten, Re - rhenium, Os - osmium, Ir - iridium, Pt - platinum, Au - gold, Hg - mercury, Tl - thallium, Pb - lead, Bi - bismuth, Po - polonium, At - astatine, Rn - radon, Fr - francium, Ra - radium, Ac - actinium, Th - thorium, Pa - protactinium, U - uranium, Np - neptunium, Pu - plutonium, Am - americium, Cm - curium, Bk - berkelium, Cf - californium, Es - einsteinium, Fm - fermium, Md - mendelevium, No - nobelium, Lr - lawrencium



Images generated from airborne geophysical data available from the Department of Mines and Energy, Brisbane.

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FIELD OBSERVATION POINTS

1	Central Ridge	Au	341341	45	Box Heights of Alma	Au	103504
2	Balke	Au	341324	47	East Rise	Au	103504
3	Esly	Au	341321	48	Victory Unfold	Au	103505
4	Yarrall Basin	Au	341324	49	Matt of Elm-Appals	Au	104025
5	Granite Prospect	Au	471207	50	...	Au	104014
6	...	Cu	481188	51	No 3 North Mount Crown	Au	104018
7	Area E North	Au	500045	52	No 2 North Lady Helena	Au	103503
8	Mount Brady	Au	500044	53	Brewers	Au	104021
9	Siltstone Show	Au	500023	54	...	Au	104023
10	Mount Brady North	Au	500023	55	Golden Spur	Au	103503
11	...	Au	500024	56	Miterra No 1	Au	104026
12	...	Au	500014	58	Miterra No 2	Au	104026
13	...	Au	500014	58	Miterra No 3	Au	104024
14	...	Au	500014	58	Miterra No 3	Au	104024
15	...	Au	500014	58	Miterra No 3	Au	104024
16	...	Au	500014	58	Miterra No 3	Au	104024
17	...	Au	500014	58	Miterra No 3	Au	104024
18	...	Au	500014	58	Miterra No 3	Au	104024
19	...	Au	500014	58	Miterra No 3	Au	104024
20	...	Au	500014	58	Miterra No 3	Au	104024
21	...	Au	500014	58	Miterra No 3	Au	104024
22	...	Au	500014	58	Miterra No 3	Au	104024
23	...	Au	500014	58	Miterra No 3	Au	104024
24	...	Au	500014	58	Miterra No 3	Au	104024
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27	...	Au	500014	58	Miterra No 3	Au	104024
28	...	Au	500014	58	Miterra No 3	Au	104024
29	...	Au	500014	58	Miterra No 3	Au	104024
30	...	Au	500014	58	Miterra No 3	Au	104024
31	...	Au	500014	58	Miterra No 3	Au	104024
32	...	Au	500014	58	Miterra No 3	Au	104024
33	...	Au	500014	58	Miterra No 3	Au	104024
34	...	Au	500014	58	Miterra No 3	Au	104024
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36	...	Au	500014	58	Miterra No 3	Au	104024
37	...	Au	500014	58	Miterra No 3	Au	104024
38	...	Au	500014	58	Miterra No 3	Au	104024
39	...	Au	500014	58	Miterra No 3	Au	104024
40	...	Au	500014	58	Miterra No 3	Au	104024
41	...	Au	500014	58	Miterra No 3	Au	104024
42	...	Au	500014	58	Miterra No 3	Au	104024
43	...	Au	500014	58	Miterra No 3	Au	104024
44	...	Au	500014	58	Miterra No 3	Au	104024
45	...	Au	500014	58	Miterra No 3	Au	104024